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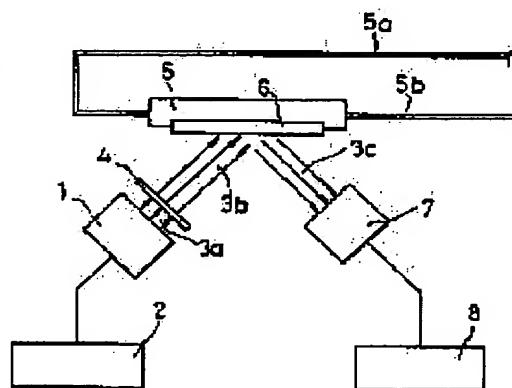
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(54) SULFUR-IN-OIL MEASURING APPARATUS

(57)Abstract:

PURPOSE: To provide a sulfur-in-oil measuring apparatus by which sulfur in an oil can be determined highly sensitively.

CONSTITUTION: A sulfur-in-oil measuring apparatus is provided with an X-ray tube 1 having a titanium target, a filter 4 which filters X-rays radiated from the X-ray tube and is made of a titanium foil, a measuring cell 5 to which a sample to be measured is taken, and a detector 7 to detect fluorescent X-rays and the apparatus radiates X-rays filtered by the filter to a sample to be measured and detects the fluorescent X-rays generated from the sample to be measured. Titanium is used for the target of the X-ray tube and the X-rays generated from the X-ray tube are filtered by a titanium filter, so that the background of the X-ray used for the determination against the fluorescent X-rays attributed to sulfur can be suppressed to low and an extremely slight amount of sulfur can be detected precisely.



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